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ABSTRACT

10 A fuel nozzle and gas turbine combustor capable of operating on multiple fuels with
reduced carbon build-up to the fuel nozzle and adjacent combustor components is
disclosed. The fuel nozzle incorporates a reconfigured gas fuel assembly and mixing
tube to eliminate known areas of recirculation. Furthermore, the liquid fuel assembly
includes reconfigured spray characteristics to further reduce droplet interaction with the
mixing tube.

15